

**Claims**

What is claimed and desired to be protected by Letters Patent is:

1. Machinery for applying a cover layer which is at least partially fusible to a length of insulation material comprising:
  - a. conveyor apparatus for transporting the insulation material, said conveyor apparatus including a revolving, heat-conductive belt extending longitudinally planar;
  - b. cover layer feeder apparatus for positioning the cover layer between the belt and the insulation material; and
  - c. heater apparatus proximate to the belt so as to transfer heat through the belt to cause the cover layer to at least partially fuse and adhere to the insulation material.
2. The machinery set forth in Claim 1 wherein said belt is a conveyor belt transporting the insulation material laid atop said belt with said heater apparatus mounted below said belt.
3. The machinery set forth in Claim 2 wherein said heater apparatus is an electrical resistance heater.
4. The machinery set forth in Claim 3 wherein said heater apparatus comprises a plurality of elongate strips of electrical resistance heaters mounted between metal platen strips.

- 1           5.     The machinery set forth in Claim 4 wherein said strips of electrical resistance heaters  
2           are individually connected to temperature controllers for individually setting the  
3           temperatures thereof.
- 4           6.     Machinery for applying a cover layer which is at least partially fusible to a length of  
5           insulation material, comprising:
- 6           a.     conveyor apparatus for transporting the insulation material, said conveyor  
7           apparatus including upper and lower revolving, heat conductive belts with  
8           said insulation material squeezed between the upper and lower belts;
- 9           b.     cover layer feeder apparatus for positioning cover layers on opposite sides of  
10          the insulation material and between the upper and lower belts;
- 11          c.     heater apparatus proximate to the upper and lower belts so as to transfer heat  
12          through the belts to cause the cover layers to at least partially fuse and adhere  
13          to respective upper and lower sides of the insulation material.
- 14          7.     A method for applying a cover layer which is at least partially fusible comprising the  
15          steps of:
- 16          a.     conveying said layer of insulation material on a conveyor belt;
- 17          b.     applying a cover layer between the insulation material and the conveyor belt;  
18          and
- 19          c.     applying heat to said conveyor belt sufficient to at least partially fuse the  
20          cover layer and cause same to adhere to the insulation material.
- 21          8.     A method for applying a cover layer which is at least partially fusible to a length of  
22          insulation material comprising steps of:

- 1 a. conveying said layer of insulation material pinched between upper and lower
- 2 conveyor belts;
- 3 b. applying cover layers between surfaces of the insulation material and the
- 4 upper and lower conveyor belts; and
- 5 c. applying heat to the conveyor belts sufficient to at least partially fuse the
- 6 cover layers and cause same to adhere to the insulation material.